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Product Name :

Two Channel Recorder

Product Code :

SLE/EA/04



Science Lab
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Description :

The Two Channel Recorder draws two electrical signals as ink traces on a moving 200 mm paper chart, so each run leaves a permanent record against time. It accepts inputs from 1 mV to 50 V, offers 16 chart speeds and has a separate electric pen-lift for each channel. It is listed for use with the Flight Demonstration Wind Tunnel.

Two Channel Recorder specifications

Parameter	Detail
Recorder type	Two-pen chart recorder
Chart width	200 mm
Input range	1 mV to 50 V
Versions	1-channel and 2-channel
Chart speeds	16 speeds from 0.1 to 20, in mm/sec or mm/min
Pen lift	Separate electric pen-lift on each channel
Pens	Long-life fibre-tip pens
Listed for use with	Flight Demonstration Wind Tunnel
Product code	SLE/EA/04
Minimum order	10 units
Dispatch	Usually within 7 to 10 working days
Manufacturer	ScienceLab (Jain Scientific Equipments Pvt Ltd), Ambala, India

Recording tasks in the aerodynamics lab

Wind tunnel runs. Connect the two inputs to the signal outputs of the Flight Demonstration Wind Tunnel and start the chart before the airflow is changed. Both pens then show how the signals respond on one time base, and students measure delays and settling times with a ruler.

Setting the range before a run. Measure each signal with an Advanced Digital Multimeter first, then choose a range that lets the highest expected value cross most of the chart width. A trace that hits the edge loses data, and one that hugs the baseline is hard to read.

Paper and screen together. A dual trace oscilloscope shows events too fast for a pen to follow. Students view the quick part of a test on the screen, then record the slower part on paper so it can be measured, annotated and pasted into the lab report.

Volts fr… millimetres. Before a run, feed each channel a steady voltage from a cell, chec… Stud… alon…

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